

HMGB2 Human

Description: HMGB2 Human Recombinant produced in Baculovirus is a single polypeptide chain containing 232 amino acids (1-209) and having a molecular mass of 26.4 kDa. The HMGB2 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-895

For research use only.

Synonyms: High mobility group (nonhistone chromosomal) protein B2, h mobility group box 2, HMG2.

Source: Baculovirus.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH TGSMGKGDPN KPRGKMSSYA
FFVQTCREEH KKKHPDSSVN FAEFSKKCSE RWKTSMAKEK SKFEDMAKSD KARYDREMKN
YVPPKGDKKG KKKDPNAPKR PPSAFFLFCSE EHRPKIKSEH PGLSIGDTAK KLGEWSEQS
AKDKQPYEQK AAKLKEKYEK DIAAYRAKGK SEAGKKGPGR PTGSKKKNEP EEEEEEEEE
DEEEEEDEE EE

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The HMGB2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

HMGB2 belongs to the non-histone chromosomal high-mobility group protein family which are chromatin-associated and highly spread in the nucleus of higher eukaryotic cells. HMGB2 can successfully bend DNA and form DNA circles which indicates that HMGB2 facilitates cooperative interactions between cis-acting proteins by promoting DNA flexibility. Additionally, HMGB2 takes part in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.

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